

ACCESSION NR: AP4040792

qualitative explanation of the structure of 90 degree walls of ferro-electric domains in barium titanate was worked out on the basis of different representation of domains in barium titanate was worked out on the basis of different representation of domains in different reflections. The authors thanked H. Arend, CSc., for preparing crystals and J. Fousek, CSc., V. Janovec, CSc., and B. Sestak, CSc., for valuable discussions. Orig. art. has: 3 figures (in appendix of journal).

ASSOCIATION: Institute of Physics, Czechosl. Acad. Sci., Prague

SUBMITTED: 22Dec63

ENCL: 00

SUB CODE: SS

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OTHER: 011

Card 2/2

67097

24.7100

CZECH/37-59-6-5/25

AUTHOR: Milena Polcarová

TITLE: Investigation of the Structure of Surface-Deformed  
Silicone Iron Single Crystals

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 6,  
pp 580-587

ABSTRACT: Ref 1 contains a review of the properties of surface layers on ground metals. Several theories have been advanced to explain the mechanism by which the deformed layer is created (Refs 2, 3). In the present work, deformations of surfaces by a sapphire needle or a steel ball have been studied in preference to the usual abrasion. The monocrystals were grown by Sestak (Ref 4) (3.5% Si, 0.01% C, 0.002% Cu, and traces of Mn, P, S, Ni). The crystals were ground parallel to the (110) plane, and annealed at 800 °C for 2 hours. They were then mechanically and electrolytically polished. The deformation by the sapphire needle was carried out by a needle with radius of curvature 20 μ. The needle was inclined by 20° and loaded by 55 g. The lines were 20 μ wide and spaced 5 μ apart (Fig 1a). The steel ball was of 1 mm diameter, loaded by 130 g. The trace

Card  
1/4

67097

CZECH/37-59-6-5/25

# Investigation of the Structure of Surface-Deformed Silicone Iron Single Crystals

of the ball was 35  $\mu$  wide, spaced 15  $\mu$  apart (Fig 1b). Both needle and ball were manually moved with a velocity of approximately 1 cm/sec. The direction of the deformation was in the direction [110]. The structure of the samples was studied by X-rays on the surface and at varying depths. The surface layers were removed by etching in 10 parts of 35% hydrochloric acid and 1 part of 25% nitric acid. The arrangement for the crystallographic examination is shown in Fig 2, and has been described in Refs 5-7. The G-M counter was brought into a position for the (110) reflection of  $\alpha$ -iron. The sample was rotated on a vertical axis. The width of the diffraction line was measured at 50%, 10%, 1% and 0.1% of the maximum intensity. Reflections were taken for the non-deformed, deformed and etched crystals. The line width at half intensity for an annealed and electrolytically polished or etched crystal was 5-6'. Fig 3 shows the reflection curves for a crystal deformed by the sapphire needle. The curve taken when the grooves were perpendicular to the plane of incidence of

Card  
2/4

67097

CZECH/37-59-6-5/25

**Investigation of the Structure of Surface-Deformed Silicone Iron Single Crystals**

the beam is almost symmetrical. Its width at half intensity is  $28'$ , at 0.1 intensity  $90'$ . If the grooves were in the plane of incidence, the curve was considerably asymmetrical. At 10% maximum intensity, the distance from the maximum is  $16'$  on one side and  $40'$  on the other. Fig 4a shows the reflection curves for varying depths with grooves perpendicular to the plane of incidence, while Fig 4b shows the same with the grooves in the plane of incidence. The width and the asymmetry of the curves decreases with depth and reaches the values for the non-deformed crystal at about 20-25  $\mu$ . This is also shown in Fig 5. Deformation by the ball did not lead to considerable asymmetry, but again caused broadening of the line (Fig 6). Fig 7 shows the deformation diminishing with depth and disappearing at about 30-40  $\mu$ . The results can be explained by breaking up of the surface layer of the monocrystal and twisting of some crystalline blocks relative to their original orientation. The asymmetry is caused by such twisting into a preferred orientation. The direction of the

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Card  
3/4

POLCHAK, I. VOKURKA, V.

Role of the immunological theory in the clinical course of  
ulcerative colitis. Suvr.med. (Sofia) 15 no.3:11-15 '64.

\*

POLCHAK, I., prof.; VOKURKA, V.; SKALOVA, M.

Pathogenesis of ulcerative colitis. Sov. med. 24 no. 10:68-72  
0 '60. (MIRA 13:12)

1. Iz 2-y terapevticheskoy kliniki meditsinskogo fakul'teta  
Gosudarstvennogo universiteta Brno (zav. kafedroy -- prof. I.  
Polchak).

(COLON--DISEASES)

POLCHAK, I.

Serological methods in gastroenterology. Zdrav. Tadzh. 8 no.5:3-6  
S-0 '61.. (MIRA 15:1)

1. Iz II terapevticheskoy kliniki, gor.Brno, Chexoslovakiya.  
(GASTROENTEROLOGY) (SERUM THERAPY)

1944. 1945. 1946. 1947. 1948. 1949. 1950. 1951. 1952. 1953. 1954. 1955. 1956. 1957. 1958. 1959. 1960. 1961. 1962. 1963. 1964. 1965. 1966. 1967. 1968. 1969. 1970. 1971. 1972. 1973. 1974. 1975. 1976. 1977. 1978. 1979. 1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991. 1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003. 2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015. 2016. 2017. 2018. 2019. 2020. 2021. 2022. 2023. 2024. 2025. 2026. 2027. 2028. 2029. 2030. 2031. 2032. 2033. 2034. 2035. 2036. 2037. 2038. 2039. 2040. 2041. 2042. 2043. 2044. 2045. 2046. 2047. 2048. 2049. 2050. 2051. 2052. 2053. 2054. 2055. 2056. 2057. 2058. 2059. 2060. 2061. 2062. 2063. 2064. 2065. 2066. 2067. 2068. 2069. 2070. 2071. 2072. 2073. 2074. 2075. 2076. 2077. 2078. 2079. 2080. 2081. 2082. 2083. 2084. 2085. 2086. 2087. 2088. 2089. 2090. 2091. 2092. 2093. 2094. 2095. 2096. 2097. 2098. 2099. 2100. 2101. 2102. 2103. 2104. 2105. 2106. 2107. 2108. 2109. 2110. 2111. 2112. 2113. 2114. 2115. 2116. 2117. 2118. 2119. 2120. 2121. 2122. 2123. 2124. 2125. 2126. 2127. 2128. 2129. 2130. 2131. 2132. 2133. 2134. 2135. 2136. 2137. 2138. 2139. 2140. 2141. 2142. 2143. 2144. 2145. 2146. 2147. 2148. 2149. 2150. 2151. 2152. 2153. 2154. 2155. 2156. 2157. 2158. 2159. 2160. 2161. 2162. 2163. 2164. 2165. 2166. 2167. 2168. 2169. 2170. 2171. 2172. 2173. 2174. 2175. 2176. 2177. 2178. 2179. 2180. 2181. 2182. 2183. 2184. 2185. 2186. 2187. 2188. 2189. 2190. 2191. 2192. 2193. 2194. 2195. 2196. 2197. 2198. 2199. 2200. 2201. 2202. 2203. 2204. 2205. 2206. 2207. 2208. 2209. 2210. 2211. 2212. 2213. 2214. 2215. 2216. 2217. 2218. 2219. 2220. 2221. 2222. 2223. 2224. 2225. 2226. 2227. 2228. 2229. 2230. 2231. 2232. 2233. 2234. 2235. 2236. 2237. 2238. 2239. 2240. 2241. 2242. 2243. 2244. 2245. 2246. 2247. 2248. 2249. 2250. 2251. 2252. 2253. 2254. 2255. 2256. 2257. 2258. 2259. 2260. 2261. 2262. 2263. 2264. 2265. 2266. 2267. 2268. 2269. 2270. 2271. 2272. 2273. 2274. 2275. 2276. 2277. 2278. 2279. 2280. 2281. 2282. 2283. 2284. 2285. 2286. 2287. 2288. 2289. 2290. 2291. 2292. 2293. 2294. 2295. 2296. 2297. 2298. 2299. 2300. 2301. 2302. 2303. 2304. 2305. 2306. 2307. 2308. 2309. 2310. 2311. 2312. 2313. 2314. 2315. 2316. 2317. 2318. 2319. 2320. 2321. 2322. 2323. 2324. 2325. 2326. 2327. 2328. 2329. 2330. 2331. 2332. 2333. 2334. 2335. 2336. 2337. 2338. 2339. 2340. 2341. 2342. 2343. 2344. 2345. 2346. 2347. 2348. 2349. 2350. 2351. 2352. 2353. 2354. 2355. 2356. 2357. 2358. 2359. 2360. 2361. 2362. 2363. 2364. 2365. 2366. 2367. 2368. 2369. 2370. 2371. 2372. 2373. 2374. 2375. 2376. 2377. 2378. 2379. 2380. 2381. 2382. 2383. 2384. 2385. 2386. 2387. 2388. 2389. 2390. 2391. 2392. 2393. 2394. 2395. 2396. 2397. 2398. 2399. 2400. 2401. 2402. 2403. 2404. 2405. 2406. 2407. 2408. 2409. 2410. 2411. 2412. 2413. 2414. 2415. 2416. 2417. 2418. 2419. 2420. 2421. 2422. 2423. 2424. 2425. 2426. 2427. 2428. 2429. 2430. 2431. 2432. 2433. 2434. 2435. 2436. 2437. 2438. 2439. 2440. 2441. 2442. 2443. 2444. 2445. 2446. 2447. 2448. 2449. 2450. 2451. 2452. 2453. 2454. 2455. 2456. 2457. 2458. 2459. 2460. 2461. 2462. 2463. 2464. 2465. 2466. 2467. 2468. 2469. 2470. 2471. 2472. 2473. 2474. 2475. 2476. 2477. 2478. 2479. 2480. 2481. 2482. 2483. 2484. 2485. 2486. 2487. 2488. 2489. 2490. 2491. 2492. 2493. 2494. 2495. 2496. 2497. 2498. 2499. 2500. 2501. 2502. 2503. 2504. 2505. 2506. 2507. 2508. 2509. 2510. 2511. 2512. 2513. 2514. 2515. 2516. 2517. 2518. 2519. 2520. 2521. 2522. 2523. 2524. 2525. 2526. 2527. 2528. 2529. 2530. 2531. 2532. 2533. 2534. 2535. 2536. 2537. 2538. 2539. 2540. 2541. 2542. 2543. 2544. 2545. 2546. 2547. 2548. 2549. 2550. 2551. 2552. 2553. 2554. 2555. 2556. 2557. 2558. 2559. 2560. 2561. 2562. 2563. 2564. 2565. 2566. 2567. 2568. 2569. 2570. 2571. 2572. 2573. 2574. 2575. 2576. 2577. 2578. 2579. 2580. 2581. 2582. 2583. 2584. 2585. 2586. 2587. 2588. 2589. 2590. 2591. 2592. 2593. 2594. 2595. 2596. 2597. 2598. 2599. 2600. 2601. 2602. 2603. 2604. 2605. 2606. 2607. 2608. 2609. 2610. 2611. 2612. 2613. 2614. 2615. 2616. 2617. 2618. 2619. 2620. 2621. 2622. 2623. 2624. 2625. 26

GUTTSAYT, B.L.; MOISEYEVA, Ye.N.; POLCHANINOV, L.I.; RASSADINA, K.A.;  
SAVICH, V.P.; USPENSEIY, K.F.

Perfume lichens; on creative collaboration between the section of  
sporogenous plants of the Botanical Institute of the Academy of  
Sciences of the U.S.S.R. and the "Seydewitskaya" Perfume Factory.  
Trudy Bot.inst.Ser.2 no.10:385-392 '56. (MLRA 10:2)  
(Lichens) (Perfumery) (Resinoids)



POLCHANINOV, P.

Increase the profitability of transportation. Avt.transp. 42  
no.12:1-2 D '64. (MIRA 18:4)

1. Nachal'nik finansovogo upravleniya Ministerstva avtomobil'nogo  
transporta i shosseynykh dorog RSFSR.

POLCHANINOV, P.

Develop the inspection of automotive transportation operations.  
Avt.transp. 38 no.3:12-13 Mr '60. (MIRA 13:6)  
(Transportation, Automotive)

POLCHANINOV, P.

Strengthen financial discipline in automotive transportation  
units. Avt.transp. 38 no.8:32-33 Ag '60.

(MIRA 13:8)

(Transportation, Automotive--Finance)

POLCHANINOV, P.

Regulation of the accounting for automotive haulage. Avt.transp.  
39 no.12:29-30 D '61. (MIRA 15:1)  
(Transportation, Automotive--Accounting)

KALABUKHOV, F.V.; SEMIKIN, N.V.; SHUL'MAN, A.S.; BRAZOVSKAYA, T.I.;  
MIZINOV, V.N.; BASH, M.S.; BRONSHTEYN, L.A.; POLCHANINOV,  
P.V.; VERKHOVSKIY, I.A.; KOROL'KOV, A.I.; GERONIMUS, B.L.;  
STRYZHKOVA, N.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Principles of the economics of automotive transportation;  
for the aid of those studying the economics of automotive  
transportation] Osnovy ekonomiki avtomobil'nogo transporta;  
v pomoshch' izuchaiushchim ekonomiku avtomobil'nogo trans-  
porta. Moskva, Avtotransizdat, 1963. 357 p.

(MIRA 17:3)

1. Zaveduyushchiy kafedroy ekonomiki i organizatsii proiz-  
vodstva Moskovskogo avtomobil'no-dorozhnogo instituta (for  
Bronshhteyn).

KURSHV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VERKHOV-  
SKIY, I.A., red.; KASHKIN, V.I., red.; OSTROVSKIY, N.B., red.; POL-  
CHANINOV, P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn.  
red.

[Manual of the automotive transportation worker; production and  
finance planning, accounting and reporting in automotive transporta-  
tion units] Spravochnik rabotnika avtomobil'nogo transporta; proiz-  
vodstvennoe i finansovoe planirovanie, uchët i otchetnost' v avto-  
khoziaistvakh. Red. kollegiia: L.A.Bronshtein i dr. Moskva, Avto-  
transizdat, 1961. 310 p. (MIRA 14:6)

1. Russia(1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo tran-  
sporta i shosseynykh dorog.  
(Transportation, Automotive)

KURSHEV, A.N., red.; SEMIKIN, N.V., red.; BRONSHTEYN, L.A., red.; VERKHOVSKIY, I.A., red.; KASHKIN, V.I., red.; OSTROVSKIY, N.B., red.; POLCHANINOV, P.V., red.; YABLOKOV, V.I., red.; MAL'KOVA, N.V., tekhn. red.

[Manual for highway transport workers; organization of operations of automotive transportation units for passenger and freight transportation, operation and maintenance of rolling stock and traffic safety] Spravochnik rabotnika avtomobil'nogo transporta; organizatsiia raboty avtokhoziaistv, perevozki Грузов и пассажиров, tekhnicheskai ekspluatatsiia avtomobil'nogo transporta i bezopasnost' dvizheniia. Moskva, Avtotransizdat, 1961. 607 p. (MIRA 14:12)

1. Russia (1917- R.S.F.S.R.) Ministerstvo avtomobil'nogo transporta i shosseynykh dorog.  
(Transportation automotive) (Traffic safety)

L 6370-66

ACC NR: AP5026751

SOURCE CODE: UR/0286/65/000/017/0025/0026

INVENTOR: Artemenko, Ye. P.; Politova, A. Ye.; Polchaninov, V. A.; Nekroyenko, N. V.; Zemskov, B. A.

TITLE: A multisectional collapsible girder post. Class 21, No. 174226 [announced by Organization of the Ministry of Defense SSSR (Organizatsiya Ministerstva oborony SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 25-26

TOPIC TAGS: hoisting equipment, construction machinery

ABSTRACT: This Author's Certificate introduces a multisectional collapsible girder post of improved operational reliability based on Author's Certificate No. 158606. A hoisting carriage is fastened in a gap in the load chain by means of a hinged link which is connected with a pivoted block used for forced collapse of the post sections. This carriage contains a spring-return catch made in the form of a hinged lever with a triangular groove and trihedral teeth in the free end.

UDC: 621.396.676

Card 1/2

Card 2/2

0902 0152



L 04282-67

ACC NR: AP6013246

SOURCE CODE: UR/0413/66/000/008/0035/0036

AUTHORS: Artemenko, Ye. P.; Zemskov, B. A.; Polchaninov, V. A.

ORG: none

TITLE: Telescopic multisectional truss mast. Class 21, No. 180649

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 35-36

TOPIC TAGS: antenna mast, automatic machine, antenna engineering

ABSTRACT: This Author Certificate presents a telescopic multisectional truss mast after Author Certificate No. 158606. An antenna located in the upper section of the mast is connected by feeder cables to a transmitter and a receiver placed on an automatic mechanism. To fix or loosen the feeder cables automatically while extending or bringing together the sections of the mast, a holding device is fixed on every section (see Fig. 1). This device consists of two lugs with openings. The lugs are compressed together by springs; the immovable section carries a sharp wedge. The lugs are so disposed that the sharp wedge passes through one of the openings between them, while the feeder cables pass through the remaining openings.

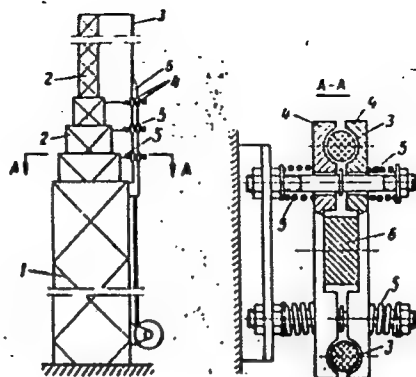
Card 1/2

UDC: 621.396.676

L 04282-67

ACC NR: AP6013246

Fig. 1. 1 - immovable section; 2 - movable sections; 3 - feeder cables; 4 - lugs with openings; 5 - springs; 6 - sharp wedge



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 19Mar65

Card 2/2

SOLODOVNIK, P.; POLCHANINOVA, G.; SERGEYEV, F.; VIKHANSKIY, Yu.

Practices in disinfecting seed peas with chloropicrin in winter.  
Muk.-elev. prom. 29 no.3:9 Mr '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki.

KIRICHENKO, P.; RATANOVA, V.; SERGEYEV, F.; POLCHANINOVA, G.

Disinfecting grain with methyl bromide in the silos of elevators  
equipped with recirculating units. Muk.-elev. prom. 29 no.2:  
8-9 F '63. (MIRA 16:8)

1. Khar'kovskaya mashinoispytatel'naya stantsiya (for Kirichenko).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov  
yego pererabotki (for Ratanova, Sergeyev, Polchaninova).  
(Methane) (Grain--Disinfection)

POLCHANOVA, S. (Moskva)

Instruction by mail for pregnant women and mothers in villages.  
Fel'd. 1 akush. 22 no.5:39-42 My '57. (MIRA 10:6)  
(WOMEN--HEALTH AND HYGIENE)  
(CHILDREN--CARE AND HYGIENE)

POLCHANOVA, S.

POLCHANOVA, S., mladshiy nauchnyy sotrudnik, vrach.

Eighth All-Union Congress of Pediatricians. Fel'd. i akush. 22  
no.11:52-56 N '57. (MIRA 11:2)  
(PEDIATRICS)

POLCHANOVA, S.A., mladshiy nauchnyy sotrudnik

Care and nursing of children in the village during the first months  
of their lives. Med sestra 20 no.11:21-27 N '61. (MIRA 15,2)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo  
proveshcheniya Ministerstva zdavookhraneniya SSSR, Moskva.  
(INFANTS CARE AND HYGIENE)

POLCHANOVA, S.I.

Sanitary and educational activities of rural midwives among pregnant women. Fel'dscher & akush. no. 11:47-51 Nov 1952. (GIML 23:3)



POLCHANOVA, S. L. Cand Med Sci -- (diss) "Medical instruction <sup>work</sup>  
of the rural midwife <sup>in</sup> ~~problems~~ <sup>concerning birth assistance.</sup> ~~of assisting in childbirth.~~"  
Mos, 1957. 16 pp 22 cm. (Min of Health USSR. Central Inst for  
the Advanced Training of Physicians). 200 copies. (KL, 22-57, 107).

POLCHANOVA, S.L., mladshiy nauchnyy sotrudnik

Hardening the small child and the role of the district nurse. Med.  
sestra 19 no.11:17-23 N '60. (MIRA 13:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut sanitarnogo  
prosveshcheniya Ministerstva zdavookhraneniya SSSR, Moskva.  
(INFANTS--CARE AND HYGIENE)

POLCHANOVA, S.L.

Teaching hygiene in the medical school (in the nursing department).  
Med. sestra 20 no. 2:50-53 F '61. (MIRA 14:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta sanitarnogo  
prosveshcheniya Ministerstva zdravookhraneniya SSSR, Moskva.  
(HEALTH EDUCATION)

POLCHANOVA, S.L., nauchnyy sotrudnik (Moskva)

"Care for a sick child" by B.G.Ioffe. Reviewed by S.L.Polchanova.  
Med. sestra 20 no.3:53-54 Mr '61, (MIRA 14:5)  
(CHILDREN--CARE AND HYGIENE) (IOFFE, B.G.)

POLCHANOVA, S.L. (Moskva)

Advanced training for rural midwives in the field of health education.  
Sov. zdrav. 20 no.6:36-41 '61. (MIRA 14:7)  
(OBSTETRICS) (PUBLIC HEALTH, RURAL)

POLCHAYEVA, K. A.

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

544. A METHOD OF CYLINDROSCOPY (Russian text) - Adigezalova-Polchaeva K. A. - SBORN. TRUD. AZERBAIJAN. OFTAL. INST. 1956, 1 (101-106)

A method of retinoscopy by means of cylindrical lenses is described. A parallel investigation of refraction with spherical and cylindrical lenses in 202 eyes of 112 people showed that cylindroscope is a more precise method than the usual retinoscopy. The difference in the data obtained with retinoscopy using spherical and cylindrical lenses is 0.5-1.5 D. Mistakes occur most often in retinoscopy with spherical lenses in cases of mixed astigmatism and in astigmatism with oblique axes.

(S)

WASD

L 05134-67

EWT(1) JK

WVA-50

19/6

ACC NR: AP6031134

SOURCE CODE: UR/0438/66/028/004/0056/0061

AUTHOR: Nechayeva'ska, M. R. -- Nechayevskaya, M. R.; Cherkas, G. P. -- Cherkes, G. P.; Kalinichenko, M. F. -- Kalinichenko, N. F.; Biryukova, S. V.; Berezhkiys'ka, L. Ya. -- Berezhkovskaya, L. Ya.; Pidgorna, L. G. -- Podgornaya, N. G.; Mukhina, A. O. -- Mukhina, A. A.; Polchenko, O. T.; Leybova, I. M.; Konik, V. Ya.

ORG: Khar'kov Institute of Vaccines and Sera im. Mechnikov (Kharkivs'kyi institut vaktsin i sirovstok)

TITLE: Formation conditions of anatoxins of Clostridium perfringens, Cl. Oedematiens and Cl. septicum from toxins obtained in meatless media

SOURCE: Mikrobiologichnyy zhurnal, v. 28, no. 4, 1966, 56-61

TOPIC TAGS: toxoid, toxin, clostridium perfringens, Clostridium oedematiens, Clostridium septicum, bacteria toxin

ABSTRACT: Detoxification conditions for Clostridium perfringens, Cl. oedematiens and Cl. septicum toxins were studied. Cl. perfringens is best denatured by adding two doses of 0.3 and 0.2% formaline at 24-hr-intervals, while maintaining the pH

Card 1/2

L 05134-67

ACC NR: AP6031134

of the medium between 7.2-7.4, and the temperature at 38C: Detoxification takes seven to ten days under these conditions. The antitoxin-fixing activity of the toxoid obtained fluctuates between 4 and 8 EC with the native toxin titer being 400-800 Dlm/ml. The best procedure for denaturation of Cl. oedematiens toxin is addition of 0.4% Formalin. A temperature of 38C is maintained for two days, followed by storage at room temperature for 5-7 days. Toxoids with antitoxin-fixing activities of 70-120 EC and a native toxin activity of 15,000-22,000 Dlm/ml were obtained. The Cl. septicum was denatured with minimum loss of antitoxin-fixing properties by the addition of two consecutive doses of 0.15 and 0.1% Formalin, at 38C for two days with subsequent storage at room temperature for 5-7 days. The resulting toxoids have an activity of 2-4 EC with native toxin titers of 200-400 Dlm/ml. [Based on authors' abstract] [W.A.50] [GC]

SUB CODE: 06, 13/ SUBM DATE: 07Apr65/

ne  
Card 2/2



POL'CHENKO, V.I. (Kiyev)

Planning hospital care. Vrach.delo no.2:179-182 F '56. (KIRA 9:7)  
(HOSPITALS)

POL'CHENKO, V.I. (Kiyev)

Some characteristics of the hospitalization of rural patients in  
rural and municipal hospitals. Vrach.delo no.4:401-403 Ap '57.  
(UKRAINE--HOSPITALS, RURAL) (MIRA 10:7)

POL'CHENKO, V.I.

Planning in public health work. Sov. zdrav. 16 no.2:13-18 F '57  
(MLHA 10:4)

1. Zamestitel' nachal'nika Planovo-finansovogo upravleniya  
Ministerstva zdravookhraneniya USSR.  
(PUBLIC HEALTH  
in Russia, technic of planning)

POL'CHENKO, V.I.

Principles for planning a system of day nurseries. Ped., akush. 1  
gin. 19 no.2:42-44 '57. (MIRA 13:1)

1. Planovyy otdel (nach. - V.I. Pol'chenko) Ministerstva okhrany  
zdorov'ya USSR.

(UKRAINE--DAY NURSERIES)

POL'CHENKO, V.I. (Kiyev)

Determining the degree of availability of hospital services.

Vrach.delo no.1:81-83 Ja '58.

(MIRA 11:3)

(HOSPITALS)

POL'CHENKO, V.I. (Kiyev)

Some remarks concerning the theory and practice of public health  
planning. Sov.zdrav. 17 no.1:26-30 Ja '58. (MIRA 11:2)

(PUBLIC HEALTH  
in Russia, organiz. (Rus))

POL'CHENKO, V.I. (Kiyev)

Method of determining the capacity of district hospitals.

Sov. zdrav. 21 no.2:27-30 '62.

(MIRA 15:3)

(HOSPITALS)

(PUBLIC HEALTH, RURAL)

POL'CHENKO, V.I. (Kiyev)

Basic principles in the planning of a hospital network. Vrach.delo  
no.5:519-521 My '59. (MIRA 12:12)

1. Ministerstvo zdavookhraneniya USSR.  
(UKRAINE--HOSPITALS--LOCATION)



POL'CHENKO, V.I.

On certain characteristics of hospital services for the rural population.  
Sov.zdrav. 18 no.11:6-11 '59. (MIRA 13:3)

1. Zamestitel' nachal'nik planovo-finansovogo upravloniya Ministerstva  
zdravookhraneniya USSR.  
(HOSPITALS, statist.)  
(RURAL HEALTH)

POL'CHENKO, Y.I. (Kiyev)

Basic indexes for the development of the public health system  
in the Ukrainian S.S.R. during the seven-year plan from 1959  
to 1965. Vrach.delo no.1:77-79 '60. (MIRA 13:6)

1. Planovyy otдел Ministerstva zdavookhraneniya USSR.  
(UKRAINE--PUBLIC HEALTH)

POL'CHENKO, V.I.

"Methodology of determining the standard requirements for medical  
care in rural areas" by V.I.Kant. Reviewed by V.I.Pol'chenko.  
Zdravookhranenie 3 no.6:60-62 N-D '60. (MIRA 13:12)  
(MOLDAVIA—MEDICAL CARE) (KANT, V.I.)

POL'CHENKO, V.I. (Kiyev)

Prospects for development of rural medical districts. Sov.  
zdrav. 19 no. 8:30-34 '60. (MIRA 13:10)  
(PUBLIC HEALTH, RURAL)

*Polchin*

E-1

CZECHOSLOVAKIA/General Problems

Ab Jour : Ref Zhur - Khiniya, No 3, 1958, No 7527

Author : Polchin

Inst : ~~NOT~~ Given

Title : Potentiometric Determination of Complexone III by the  
Salt of Bi-Valent Mercury

Orig Pub : Chem. listy., 1957, 51, No 1, 168-170

Abstract : In the case of dark and cloudy solutions the visual complexometric determination of a series of cations by back-titration with an excess of complexone III (I) using murexide, eriochrome black T and other indicators is difficult, so that the potentiometric back titration with a solution of Hg (2+) salt is applied. This technique allows one to determine all cations, complexes of which with I are either more stable or, at least, are as stable as the complex with Hg, for example Ca, Mg, Cd, Hg, Pb, Cu and others. The electrode-indicator consists of Hg layers 0.5 cm thick on the bottom of a titration vessel with a Pt-contact soldered into a glass tube. The large surface of the electrodes insures a rapid potential

Card : 1/2

POLCIN, J., inz. CSc.; KAPUSTOVA, J., inzh.

Delignification of wood irradiated by gamma rays. Sbor cel pap 8:  
9-33 '63.

CA

7

Sulfur dioxide in sulfite liquors. J. Polju. (arm.  
Zvesti 5, 300-7(1951).---Inorg. and aldehyde-bound  $\text{SO}_2$  is -  
detd. potentiometrically by double buret titration or by  
titration with Pt capillary electrode. Jan Miska

23

CA

The reaction of lignin with formaldehyde. R. Herck and J. Pöhlmann. *Chem. Zvest.* 9, 323 (1955). Both qual and quant. reactions of lignin with formaldehyde have been revised.  $\text{HClO}_4$  reacts with the side chain of lignin and various types of lignin can be differentiated. Sulfite lignin and ethanol lignin show best reactions. The reaction appears to be of the aldol type. Jan Micka



BzLO, Zbigniew; PANEK, Maria; POLCHLOPEK, Boguslawa

Effect of certain compounds on the course of reaction in  
the system carbon-hydrogen peroxide. Archiw gorn 10 no.1:  
65-78 '65.

1. Department of Chemistry of Metals and Ores of the School  
of Mining and Metallurgy, Krakow. Submitted February 5, 1964.

POLCHLOPEK, Tadeusz

Application of diamond drills and bits to deep hole drilling.  
Wiad naft 9 no.5:100-101 My '63.

PIERONIK, T.; POLCHLOPEK, Tadeusz; WARCZEWSKI, Jozef

News from abroad. Wiad naft 9 no.7/8:187-190 J1-Ag '63.

POLCHLOPEK, Tadeusz

Electrochemical tightening of hole walls in order to liquidate  
the dwindling of drilling fluid. Wiad naft 9 no.6:123-125 Je '63.

POLCHLOPEK, Tadeusz

Aluminum screw casings. Wiad naft 8 no.4:75-76 Ap '62.

POLCIN, J.; IZAKOVA, O.

Diffusion in both plane and cylindrical bodies from the viewpoint of evaluating the absorption process in tower absorbers. Ecor cel pap 9:53-72 '64.

POLCIN, J.; VARGOVA, C.

Possibilities of determining lignin in wood, high-yield pulps,  
and semichemical pulps by infrared spectrophotometry. Sbor cel  
pap 9:165-185 '64.

POLCIN, J.

"Contribution to the study of characteristics of AS-lignin. I. Chlorination of AS-lignin with hypochlorites." Chemicke Zvesti, Bratislava, Vol. 8, No. 4, Apr. 1954, p. 227.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.



POLCIN, J.

POLCIN, J. Contributions to study of the properties of AS-lignin.  
II. Elementary constitution of functional groups. p. 300  
Vol. 10, n0. 5 May 1956  
CHEMICKE ZVISTI. BRATISLAVA. CZECHOSLOVAKIA.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

POLCIN, J.

Symposium on lignin. Papir a celulosa 17 no.2:44 F '62.

POLCIN, Jan. inz., SoC.; SAMKOVA, Maria, inz.

Determination of lignin in unbleached pulps; comments on the draft of a new Czechoslovak standard. Papir a celuloza 18 no.5:93-98 My '63.

1. Vyskumny ustav papieru a celulozy, Bratislava.

POLGIN, Jan, inz., C.Sc.; KOSIKOVA, Bozena, inz.; SUCHY, Jan, inz.,  
C.Sc.; VASATKOVA, Miroslava, inz.

Examination of the alcohol extraction of lignin by means  
of infrared spectrophotometry. Chem zvesti 16 no.7:562-573  
Jl '62.

1. Ceskoslovenska akademie ved, Ustav dreva, celulozy a  
chemickych vlakien Slovenskej akademie vied, Bratislava.  
Authors' address: Bratislava, Dubravska cesta, Chemicky  
ustav Slovenskej akademie vied.

POLCIN, J.

Characteristics of chlorine in lignin. I.

p. 450 (CHEMICKE ZVESTI) Vol. 10, no. 7, Sept. 1956,  
Bratislava, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

POLCIN, J.

"Potentiometric determination of complexon III with mercury (II)-salt. In German."

p. 1057 (Collection of Czechoslovak Chemical Communications. Sbornik Chekhoslovatskikh Khimicheskikh Rabot.) Vol. 22, no. 3, June 1957. Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

POLCIN, J., inz. CSc.; VARGOVA, C., promovany chemik

Contribution to ultraviolet spectral absorption of lignosulfonic acids in sulfite spent liquors. Sbor esl pap 8:97-118 '63.

POLCIN, Jan, inz., CSc.; KOSIKOVA, Bozena, inz.; SIPOS, Peter, inz.;  
DANDAROVA-VASATKOVA, Miroslava, inz.; SUCHY, Jan, inz., CSc.

Changes of the infrared spectra of spruce lignin in the  
band 1600 - 1800  $\text{cm}^{-1}$  during acid hydrolysis. Chem zvesti  
17 no.12:891-904 '63.

1. Ceskoslovenska akademie ved, Chemicky ustav Slovenskej  
akademie vied, Bratislava, Dubravska cesta.



CZECHOSLOVAKIA / Chemical Technology. Chemical Prod- H-33  
ucts and Their Application. Cellu-  
lose and Its Derivatives. Paper.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 3198.

Author : Polcin, J.  
Inst : ~~Not~~ given.  
Title : Chlorine in Chlorlignins.

Orig Pub: Chem. zvesti, 1958, 12, No 2, 108-112.

Abstract: Upon the dechlorination of chlorinated lignins (L) under pressure in the presence of NaOH,  $\text{Na}_2\text{CO}_3$  and  $\text{NH}_3$ , a part of the Cl is easily split off, the remaining Cl for its splitting off requires an elevated temperature and a prolonged reaction time. It is assumed that the residual Cl is tied up with an aromatic ring of L. By

Card 1/2

POLCIN, J.

Gasometric determination of ammonia in ammonium salts. p. 446.

CHEMICKE ZVESTI. (Journal on applied chemistry issued by the Slovak Academy of Sciences and the Slovak Chemical Society. Monthly)  
Bratislava, Czechoslovakia, Vol, 13, No. 7/8, July/Aug., 1959.

Monthly List of East European Accessions, (EEAI), LC, Vol. 8, No. 12, Dec. 1959.  
Uncl.

CZECHOSLOVAKIA / Chemical Technology. Cellulose and  
Its Derivatives. Paper.

H-33

Abs Jour: Ref Zhur-Khimiya, No 14, 1959, 51984.

Author: Polcin, J.

Inst: Not given.

Title: Complexometric Determination of Calcium in the  
Cellulose Ash.

Orig Pub: Papir a celuloza, 1958, 13, No 12, 280-282.

Abstract: Presented is the method of calcium determination  
in the cellulose ash by means of titration with  
0.01 M complexon-III in alkaline medium. A mix-  
ture of murexide and green naphthol B is used as  
indicator instead of the former in pure form. Use  
of the mixed indicator improves considerably the  
end point. In normal celluloses, the titration  
for calcium may be done directly since cations of

Card 1/2

H-196

POLCIN, J.

Determination of sodium in neutral sulfite-cooking liquors by flame photometer.  
p. 169.

PAPIR A. CELULOZA. (Ministerstvo lesu a drevarskeho prumyslu) Praha, Czechoslovakia.  
Vol. 14, no. 8, Aug. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct. 1959.  
uncl.

POLCIN, Jan. C.Sc..

A contribution to the determination of brightness and  
yellowness of pulp and paper. Sbor cel pap 6:49-58 '61

POLCIN, J.

"Characteristics of chlorine in chlorolignin. II."

p. 60 (Chemické Zvesti, Vol. 12, no. 1, Jan. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,  
September 1958

POLCEN, J.

2249. Potentiometric determination of Camphorones III with mercuric salt. J. Polcén (Res. Inst. Cellulose, Bratislava, Czechoslovakia). Chem. Listy, 1957, 51 (1), 169-170. — The determination is carried out in aq.  $\text{NH}_3$  soln., with a mercury indicator electrode. The method can be used for the indirect titrimetric determination of  $\text{Ca}$ ,  $\text{Mg}$ ,  $\text{Cd}$ ,  $\text{Hg}$ ,  $\text{Pb}$  and  $\text{Cu}^{2+}$  when a known vol. of EDTA (disodium salt) (I) is added and the excess is determined by mercurimetric titration. Procedure—Add a known excess of 0.1 M I to a neutral soln. of the sample, add buffer soln. (aq.  $\text{NH}_3$  -  $\text{NH}_4\text{Cl}$ ) (20 ml), dilute to 50 ml and add sufficient Hg to form a 0.5-cm layer in the titration vessel. Immerse a platinum wire into the Hg, connect with a mercurous chloride electrode and adjust the potential to between 160 and 200 mV by adding the buffer soln. or acetic acid. Titrate with 0.1 M Hg ( $\text{NO}_3$ ). Iron can be masked with tartaric acid or with ammonium tartrate. L. Zvea

fra

*Polcin JAN*

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24842

Author : Polcin Jan

Inst :

Title : Rapid Determination of Total Sulfur in Sulfides, Sulfites and Thiosulfates by Methods of Ion-Exchange and Conductometric Titration.

Orig Pub : Chem. zvesti, 1957, 11, No 8, 494-498

Abstract : Description of a method based on oxidation of  $S^{2-}$ ,  $SO_3^{2-}$  and  $S_2O_3^{2-}$  to  $SO_4^{2-}$ ; removal of cations of metals by passing the solution being analyzed through a cationite in the H-form, and titration of the H SO that is formed. In the presence of  $Cl^-$  ions it is necessary to carry out an additional argentometric titration. Approximately 2 g of the sample (0.5-0.8 g S) are dissolved in 500 ml water, 20 ml of this solution are withdrawn, 3 ml 5% solution

Card 1/3



POLCIN, Jan, inz., C.Sc.; SAMKOVA, Maria, inz.

Determining extractible substances in pulp. Papir a celuloza  
17 no.11:241-247 N '62.

1. Vyskumny ustav papieru a celulozy, Bratislava.

*POLCIN, JAN*  
CZECHOSLOVAKIA /

Chemical Technology. Chemical Products and  
Their Application. Cellulose and Cellulose  
Products. Paper.

H-33

Abs Jour : Ref Zhur - Khim, No 3, 1958, No 10,017

Author : Polcin, Jan

Inst : Not given

Title : A Rapid Method of Determination of Total Sulfur in the  
Sulfate Liquor Thru Ion-Exchangers and Conductometric  
Titrations.

Orig Pub : Papir a celuloza, 1956, 11, No 9, 189-191

Abstract : In the ion-exchanger method, the S present in the white  
and green liquors and in the sulfate melt is oxidized to  
 $\text{SO}_4^{2-}$  with  $\text{H}_2\text{O}_2$  and filtered through a cation-exchanger  
in the  $\text{H}^+$  form. The  $\text{H}_2\text{SO}_4$  which separates out is titra-  
ted with alkali and the chlorides are titrated with  $\text{AgNO}_3$   
or  $\text{Hg}(\text{NO}_3)_2$ . The oxidized and neutralized sample may be  
subjected to conductometric titration with  $\text{BaCl}_2$  or  $\text{Ba}(\dots$   
 $\text{OOCCH}_3)_2$  directly, or first filtered-through a cation-ex-

FOLGIN, J.

Quick titration of Schweizer's reagent with complexon. III. p. 103.  
PAPIR A CELULOZA. (Ministerstvo lesu a drevarskeho prumyslu) Praha.  
Vol. 11, no. 5, May 1956.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

POLCIN, J.

First common standards of the member states of the Council  
for Mutual Economic Assistance. Papir a celuloza 18 no.11:  
228-229 N°63.

1. Vyskumny ustav priemyslu celulozy, Bratislava.

POLCIN, J., inz. CSc.; SLAMA, L., inz.; BULLA, I., inz.

Polarographic continuous analyzer of sulfur dioxide. Sbor  
cel pap no. 7:245-258 '62.

POLCIN, Jan, inz.; MOTYCKA, Oldrich, dr.

From the Conference on Standards of the Council for Mutual  
Economic Assistance in Budapest. Papir a celuloza 18  
no. 6: 121-123 Je '63.

1. Vyskumny ustav papieru a celulozy.

SLAMA, L.; POLCIN, J.; BULLA, I.; POLONYI, J.

Polarographic analyzer of  $\text{SO}_2$  in boiling solutions. Bul  
VUPC 6 no.1: 3-23, 163.

POLCIN, Jan; SAMKOVA, Maria

Determining the delignification degree of unbleached pulp by  
the Kappa method. Papir a celuloza 17 no.2:25-28 F '62.

1. Vyskumny ustav papieru a celulosy, Bratislava.



POLCHLOPEK, Tadeusz

Needs of the vocational school of the petroleum industry  
in Krosno. Wiad naft 9 no.1:18-19 Ja '63.

POLCOVNICOVA, C.

"Role of the nervous system in the pathogeny of hemolytic anemia. Tr. from the Russian", p. 25 (analele Romano-Sovietice, Seria Medicina Generala, Series a III-a, v. 6, no. 2, Mar./Apr. 1953, Bucuresti)

SO: Monthly List of East European Vol. 2, No 9 Library of Congress, September 1953, Uncl.  
Rumanian Accessions,

POLCR, Jan

Production of molds by high unit pressure in the Moravske  
zelezarny. Slevarenstvi 12 no.11:436-437 N '64.

1. Moravske zelezarny, Olomouc.

HUNGARY

POLCZ, Elaine, Dr., Central Institute for Children's Neurology  
(Kozponti Gyermekideggondozo Intezet)[location not given](Physician-in-  
Chief: SCHNELL, Janos, Dr.).

"Diagnostic and Therapeutic Applications of the World-Technique  
Method in Hungary"

Budapest, Magyar Pszichologiai Szemle, Vol 23, No 1-2, 1966, pp 158-166.

Abstract: The world technique (cf. "The World Test, a Measurement of Emotional Disturbance"; New York: Psychological Corporation [publication date not given]) was described and its diagnostic and therapeutic applications in Hungary discussed. Examples of the actual test text, questions, and evaluation methods practised were presented. The author employs the active therapeutic approach in this test, and also in other game tests such as the puppet game test and the Steno test. 7 references, including 1 German and 6 Western.

POLCZ, Elaine, dr.

The "Little Lion" play as a diagnostic and therapeutic tool. Magyar pszichológiai szemle 19 no.2:186-195 '62.

1. Kozponti Gyermekideggondozó Intézet. Igazgató-őorvos: Dr.Schnell Janos.

LISSÁK K., PÖLCZ L. and ENDRÖCZI E.

Physiol. Inst., med. Univ., Pécs. \*Erregungs- und Hemmungszustände des zentralen Nervensystems in Spiegel der Änderungen des peripheren Blutbildes. Excitation and inhibition states of the CNS in the light of changes in the peripheral blood picture ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (88)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

POLCZ, I.

ENDROCZI, E.; LISSAK, K.; POLCZ, I.

Manifestations in the peripheral blood count of excitation and inhibition states of the central nervous system. Acta physiol. hung. 5 no.3-4:407-420 1954.

1. Institute of Physiology of the Medical University, Pecs.  
(Received on June 9, 1953)

(LEUKOCYTE COUNT

\*eff. of vagal stimulation & barbiturate anesth. in cat)

(ERYTHROCYTES

\*count, eff. of vagal stimulation & barbiturate anesth.  
in cats)

(NERVES, VAGUS, physiol.

\*eff. of stimulation on erythrocyte & leukocyte count  
in cats)

(BARBITURATES, anesth. & analgesia

\*eff. on erythrocyte & leukocyte count in cats)

SZAM, Istvan, dr.; POLCZ, Lajos, dr.

Data on the prognosis in renal changes secondary to endocarditis  
lenta. Orv. hetil. 102 no.45:2121-2123 5 N '61.

1. Budapesti Orvostudományi Egyetem, IV Belgyógyászati Klinika.

(ENDOCARDITIS SUBACUTE BACTERIAL compl)  
(KIDNEY DISEASES etiol)



ADLER, Peter, dr.; POLCZER, Gyorgyi, dr.

Increase of the incidence of caries in the last decade. *Hepageszsegugy*  
44 no.2:40-45 F '63.

1. Kozlemený a Debreceni Orvostudományi Egyetem Stomatologiai  
Klinikájáról.

(DENTAL CARIES)

(STATISTICS)

SINKOVITS, V., dr.; POLCZER, Gy. dr.; GYULAVARI, O., dr.; BENCZE, J., dr.

Dentition of children newly enrolled into schools in Debrecen.  
Fogorv. szemle 58 no.5:148-151 My '65

1. A Debreceni Orvostudományi Egyetem Stomatológiai Klinikájáról  
(Igazgató: Adler, Peter, dr. egyetemi tanár).

POLCZER, Judit, dr.

Relation between the eruption of permanent teeth and body development. Fogorv. szemle 58 no.11:333-335 E '65.

1. A Debreceni Orvostudományi Egyetem Stomatológiai Klinikájáról  
(Igazgató: Adler, Peter, dr. egyetemi tanár).

POLCZER, Maria; BENCZE, Jolan

"Accelerated" change of dentition. Acta paediat. acad. sci. Hung.  
6 no.3/4:329-346 '65.

1. Stomatologische Klinik der Medizinischen Universität Debrecen.  
Submitted April 23, 1965.

POLCZYNSKI, Janusz, mgr inż.

Possibilities for the utilization of molasses in the national economy. Przegl techn no.1:5 3 Ja '62.

U 39674-65 EWT(1)/ENG(v)/FCC/EEC(t) Po-4/Pe-5/Pq-4/Pt-10/P1-4 GW  
ACCESSION NR: AP4047598 S/0023/64/000/003/0192/0199

AUTHOR: Pyldmaa, V. (Poldmaa, V.)

TITLE: Twilight sky spectrophotometer

SOURCE: AN EstSSR. Izvestiya. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk, no. 3, 1964, 192-199

TOPIC TAGS: spectrophotometer, twilight sky, sun ray, self compensating potentiometer

ABSTRACT: A spectrophotometer used for measuring the brightness of twilight sky on the sun's vertical and perpendicularly to it is described. The detector used was a photomultiplier FEI-27. The photocurrent was amplified by a preamplifier and recorded by a self-compensating potentiometer EPP-09M2. The photometer was calibrated in absolute units of energy. The brightness was measured in spectral ranges  $\lambda_{\text{eff}} = 422, 479$  and  $574 \text{ m}\mu$ , when the zenith distance of the sun was  $\zeta_0 = 90-100^\circ$ . The distribution of the sky brightness on the sun's side of the hemisphere is given in the spectral range  $\lambda_{\text{eff}} = 422 \text{ m}\mu$  by  $\zeta_0 = 94, 96, 98,$

Card 1/2

I 39674-65

ACCESSION NR: AP4047598

100°. Orig. art. has: 6 equations, 8 figures, and 1 table.

ASSOCIATION: Institut fiziki i astronomii Akademii nauk Estonakoy SSR (Institute of Physics and Astronomy, Academy of Sciences, Estonian SSR)

SUBMITTED: 06Mar64

ENCL: 00

SUB CODE: GP, AA

NR REF SOV: 004

OTHER: 004

Card 2/2

POLDUSHKIN, G., inzhener.

Aviation at the All-Union Agricultural Exhibition. Grazhd.av.13 no.7:  
26-27 J1 '56. (MLRA 9:9)  
(Aeronautics in agriculture)(Moscow--Agricultural exhibitions)



POLDUSHKIN, G.

84-5-30/42

AUTHOR: Poldushkin, G.

TITLE: A Unit of the GVF Participating in the VSKhV (Podrazdeleniye - uchastnik VSKhV)

PERIODICAL: Grazhdanskaya Aviatsiya, 1957, Nr 5, p. 35 (USSR)

ABSTRACT: The unit whose commander is comrade Orlov (Ukrainian Territorial Administration) was awarded the "2nd class" diploma and a GAZ-51 car by the main committee of the VSKhV, and is the first unit to be distinguished by the VSKhV. Individual awards were received by: Pilot A. Gumenyuk for extermination of the sugar-beet pest (during the past season) on an area of 6166 hectares; S. Ivanov, assistant chief of comrade Orlov's unit; A. Zinyakov, chief operations engineer; S. Petrov, chief engineer for special purpose assignments. The average coverage of sugar-fields per extermination squad was 4569 hectares (per season.)

AVAILABLE: Library of Congress

Card: 1/1

AUTHOR: Poldushkin, G.

SOV/84-58-3-23/52

TITLE: Helicopters With the Whaling Flotilla (Vertolety na kitoboynoy flotilii)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 3, p 13 (USSR)

ABSTRACT: The short note reports on two helicopters, a Mi-1 and a Ka-15, which have been brought to the whaling flotilla "Slava" operating in the Antarctic. The Ka-15 appears in the Antarctic for the first time. It can land on water on special "pontoonettes". The helicopters will be used for whale reconnaissance.

1. Whales--Capture 2. Helicopters--Performance

Card 1/1

SOV/84-58-5-41/57

AUTHOR: Poldushkin, G.  
TITLE: Awards to Advanced Workers (Peredoviki proizvodstva poluchayut nagrody)  
PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 5, p 34 (USSR)  
ABSTRACT: In this short note, the author mentions several aviators of a Krasnodar kray agricultural unit of the North Caucasian Territorial Administration of the GVF, who were awarded prizes by the All-Union Agricultural Exhibition for their outstanding achievements.

1. Civil aviation 2. Pilots---Performance

Card 1/1

SOV/84-58-10-39/54

**AUTHOR:** Poldushkin, G., Sr. Engineer of Aviation Administration for  
Special Assignments and Aerial Photography

**TITLE:** Best Advertisement (Luchshaya reklama)

**PERIODICAL:** Grazhdanskaya aviatsiya, 1958, Nr 10, p. 30 (USSR)

**ABSTRACT:** The author reports on conditions prevailing at various  
local air lines and on their respective management and incomes.  
He advocates better organization and service on local airlines in  
preference to advertising. There is 1 photograph.

Card 1/1